

RESOLUTION 228 (WRC-2000)

Studies to consider requirements for the future development of IMT-2000 and systems beyond IMT-2000 as defined by ITU-R

The World Radiocommunication Conference (Istanbul, 2000),

considering

- a) that International Mobile Telecommunications-2000 (IMT-2000) is scheduled to start service around the year 2000, subject to market and other considerations;
- b) that Question ITU-R 229/8 addresses the future development of IMT-2000 and systems beyond IMT-2000;
- c) that the technical characteristics of IMT-2000 are specified in ITU-R and ITU-T Recommendations, including Recommendation ITU-R M.1457 which contains the detailed specifications of the radio interfaces of IMT-2000;
- d) that telecommunication technologies evolve rapidly;
- e) that adequate spectrum availability is a prerequisite for the technological and economic success of the future development of IMT-2000 and systems beyond IMT-2000;
- f) that the demand for the provision of multimedia applications such as high-speed data, IP-packet and video by mobile communication systems will continue to increase;
- g) that the future development of IMT-2000 and systems beyond IMT-2000 is foreseen to address the need for higher data rates than those currently planned for IMT-2000;
- h) that, for global operation and economy of scale, it is desirable to agree on common technical, operational and spectrum-related parameters of systems;
- i) that it is therefore timely to study technical, spectrum and regulatory issues pertinent to the future development of IMT-2000 and systems beyond IMT-2000,

recognizing

- a) the time necessary to develop and agree on the technical, operational, spectrum and regulatory issues associated with the continuing enhancement of mobile services;
- b) that service functionalities in fixed and mobile networks are increasingly converging;
- c) that future mobile systems will require the adoption of more spectrum-efficient techniques;
- d) the needs of developing countries for the implementation of advanced mobile communication technologies,

resolves

- 1 to invite ITU-R to continue studies on overall objectives, applications and technical and operational implementation, as necessary, for the future development of IMT-2000 and systems beyond IMT-2000;

2 to invite ITU-R to study the spectrum requirements and potential frequency ranges suitable for the future development of IMT-2000 and systems beyond IMT-2000, and in what time-frame such spectrum would be needed;

3 that the requirements for the future development of IMT-2000 and systems beyond IMT-2000 be reviewed by WRC-05/06, taking into consideration the results of ITU-R studies presented to WRC-03,

urges administrations

to participate actively in the studies by submitting contributions to ITU-R.